



Missouri S&T Magazine, December 1973

Miner Alumni Association

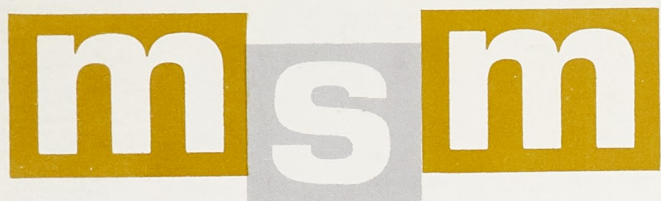
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Miner Alumni Association, "Missouri S&T Magazine, December 1973" (1973). *Missouri S&T Magazine*. 287.

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Alumnus

DECEMBER 1973

UNIVERSITY OF MISSOURI - R O L L A



1973 HOMECOMING

Miners 24

Mules 14



Alumnus

MSM-UMR Alumni Association
University of Missouri - Rolla
Rolla, Missouri 65401

Volume 49

DECEMBER 1973

Number 6

On the Front Cover



That's it. The final score at Homecoming. Miners 24, Mules 14. Jerome T. Berry '49, statistician extraordinarius reports the Miners have won three out of the last four Homecoming Games. How About That?

Issued bi-monthly in the interest of the graduates and former students of the Missouri School of Mines and Metallurgy and the University of Missouri - Rolla. Entered as second class matter October 27, 1926, at Post Office at Rolla, Missouri 65401, under the Act of March 3, 1897.

MSM-UMR Alumni Association

Telephone (314) 341-4171; (314) 341-4172

OFFICERS

		Term Expires
President	Peter F. Mattei '37	1974
President Elect	Robert M. Brackbill '42	1974
Secretary	Robert V. Wolf '51	1974
Treasurer	Thomas R. Beveridge '42	1974

STAFF

Frank H. Mackaman	Director, Alumni Activities	MSM-UMR Alumni Association Harris Hall Rolla, Missouri 65401
Francis C. Edwards	Executive Secretary	MSM-UMR Alumni Association Harris Hall Rolla, Missouri 65401

DIRECTORS AT LARGE

	Term Expires
Joseph W. Mooney '39	1974
James B. McGrath '49	1975
E. L. Perry '40	1974
Hans E. Schmoldt '44	1975
Lawrence A. Spanier '50	1976
John O. Wilms '43	1976

Area Zip Code Numbers

Area Zip Code Numbers	AREA DIRECTORS	Term Expires
00-14	H. W. Flood '43	1974
15-21	O. W. Kamper '35	1976
22-33	John B. Toomey '49	1976
35-45	Harold Kosten '60	1974
46-59	Eugene C. Fadler '62	1975
60-61	Frank C. Appleyard '37	1976
62-62	C. Stuart Ferrell '64	1975
63-65	Arthur G. Baebler '55	1976
63-65	Robert D. Bay '49	1974
63-65	Alfred J. Buescher '64	1975
63-65	J. R. Patterson '54	1974
63-65	Clifford C. Tanquary '57	1975
63-65	Bruce E. Tarantola '51	1975
63-65	George D. Tomazi '58	1975
63-65	R. Michael Salmon '63	1975
63-65	Robert P. Vienhage '53	1974
63-65	Edwin J. Werner '49	1974
66-74	Herman Fritschen '51	1976
75-79	Rex Alford '40	1976
80-90 and 96-99	Thor Gjelsteen '53	1974
90-95	E. Murray Schmidt '49	1976

EXECUTIVE COMMITTEE

James J. Murphy '35	President, Murphy Company, 1340 North Price Road, St. Louis, Missouri 63132	1978
R. O. Kasten '43	901 West 114th Terrace, Kansas City, Missouri 64114	1976
James W. Stephens '47	Missouri Public Service Company, 10700 E. Highway 50 Kansas City, Missouri 64138	1974

EX-OFFICIO DIRECTORS

Paul T. Dowling '40	President, Nooter Corporation, 1400 South Third Street, St. Louis, Missouri 63166
Melvin E. Nickel '38	10601 South Hamilton Avenue, Chicago, Illinois 61643
Karl F. Hasselmann '25	3100 W. Alabama, Suite 207, Houston, Texas 77006
F. C. Schneeberger '25	# 1 Briar Oak, St. Louis, Missouri 63132
H. H. Hartzell '06	1310 Cleveland, Baxter Springs, Kansas 66713

DIRECTOR, CHAIRMAN LEGISLATIVE COMMITTEE

Richard H. Bauer '52	5 Sappington Acres Drive, St. Louis, Missouri 63126
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Some Attendees at the Annual Meeting



Left to right: Dudley Thompson, Bob Vienhage, Frank Appleyard, Larry Spanier, Mike Salmon, Mel Nickel, Pete Mattei, Frank Mackaman, Bob Wolf, Tom Beveridge, Bob Patterson, Rex Alford, Stuart Ferrell, Bill Flood, Jim McGrath, Herman Fritschen, Tony Homyk.



In the foreground to the left: Dick Bauer, Bob Brackbill, Hans Schmoltdt, Al Buescher, Stuart Ferrell, Bill Flood, Jim McGrath, Herman Fritschen, Tony Homyk, Dudley Thompson, Bob Vienhage, Larry Spanier, Frank Appleyard, Mel Nickel, Pete Mattei, Mike Salmon, Frank Mackaman, Bob Wolf, Tom Beveridge, Rex Alford.

ATTENTION BOOTHEEL AND CONFLUENCE ALUMNI

There will be an alumni meeting Saturday, January 26, 1974 in Cape Girardeau. Area Director Bob Patterson is organizing the affair which will be held at the Cape Ramada Inn, about 5 p. m. that day. Save the day, and watch for your letter of invitation for reservation and ticket information.

NOTICE

Please send your suggestions of individuals who should be considered for nomination to the Board of Directors of the MSM-UMR Alumni Association. Area directors must live in the zip code area from which they are elected. There may be someone active in your local section who is unknown to the committee, please forward the name and credentials to the alumni office.

Board Meeting Alumni Association

The annual meeting of the Board of Directors of the MSM-UMR was held in the beautiful Silver and Gold room of the University Center on Friday, October 26, 1973. Twenty-three Directors were present, and the number included alumni from the coasts. Those in attendance heard from President Pete Mattei on the administrative changes which had been recently made on campus and about the procedures necessary to the selection of a new Chancellor. A resolution of appreciation for the service of Dr. Merl Baker was introduced and passed. As noted elsewhere in this issue, a committee was authorized to stage a suitable public event honoring Dr. Baker. There was a close examination of the Rolla campuses' tie to the Alliance of Alumni Associations of the University of Missouri, the four campus organization for the promotion of the common interest. The MSM-UMR Association contribution for support was authorized upon a favorable report from the UMR representative, Dick Bauer. Such a report was subsequently made by Dick and the payment was made.

Bob Wolf, chairman of the Association's financial aid committee reported, no action by the Board was required, as the money to support the programs was authorized in May. Al Buescher made his report regarding the Jackling Funds, and the necessary action was taken to establish all required procedures. Awards, a program under the direction of a committee chaired by Joe Mooney, were discussed and a five year plaque for Century Club members was approved.

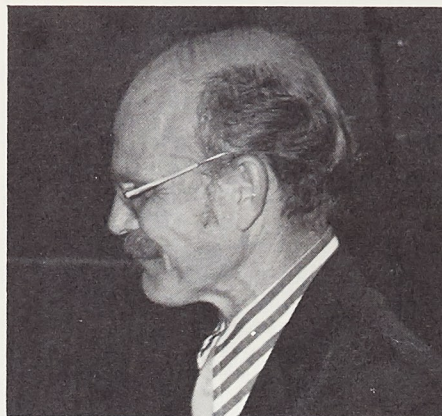
The chairman of the Nominations committee asked that alumni be notified through the ALUMNUS and all other appropriate means that nominations for all officers and certain directors are now being received in the alumni office. A list of current officeholders is carried in the ALUMNUS.

The Board directed that an Alumni Directory be published as soon as possible and that it follow the same format as in previous years. The spring semi-annual meeting will not necessarily be at commencement.

Alumni Award



Bill L. Atchley '57



Kenneth G. Mayhan '65



Bobby G. Wixson



Robert F. Bruzeski '47



Sylvester Pagano '46



Elmer W. Belew '47



Glen Haddock



Thomas J. Welsk



William D. Busch '42

ward Recipients

Alumni Awards Banquet



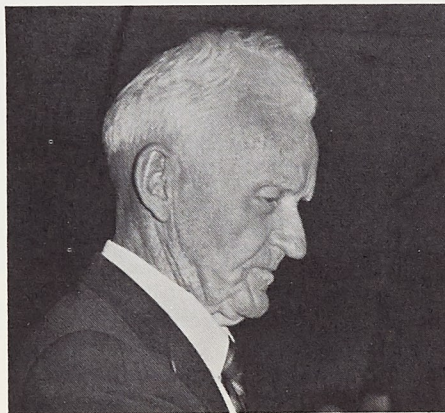
Vernon T. McGhee '42



Hilbert F. Michel '36



Jack H. Thompson '52



Frank E. Townsend '11



Russell H. Weithop '32



*Mrs. M. P. Weigel and William
Melvin Weigel.*

The MSM-UMR Alumni Association honored 15 individuals at the annual awards banquet held as part of the University of Missouri - Rolla homecoming activities here Saturday, Oct. 27.

Honorees were presented plaques. They were selected for the awards by an anonymous committee of alumni.

Awards were given in three categories — Alumni Merit Awards, Alumni Service Awards and Alumni Achievement Awards.

Those receiving Alumni Merit Awards were: Bill L. Atchley, '57, professor of engineering mechanics and associate dean of the UMR School of Engineering as well as Governor Bond's science adviser and chairman of the State Energy Council, given in recognition of leadership and outstanding service to the University; Robert F. Bruzeski, '47, associate professor of mining engineering and active in professional societies, given in recognition of exemplary competence in teaching and counseling; Glen Haddock, professor of mathematics and chairman mathematics department as well as former head of the Council of Department Chairmen, given in recognition of leadership and outstanding services to the University; Kenneth G. Mayhan, '65, professor of chemical engineering and senior materials investigator Space Sciences Research Center (body implant materials a specialty), given in recognition of teaching and research; Sylvester J. Pagano, '46, professor of mathematics, given in recognition of exemplary competence in teaching and counseling; Thomas J. Welsh, president of Welsh Associates (management consulting firm), former president of Schick Safety Razor, Eversharp, Inc., and Paper Mate Co., and served as visiting professor of engineering management at UMR 1972-73, given in recognition of exemplary competence in teaching and counseling, and Bobby G. Wixson, professor of environmental health and director of intercampus, interdisciplinary "New Lead Belt" Environmental Project, given in recognition of teaching and research.

(Continued next page)

1973 ALUMNI AWARD RECIPIENTS



Seated (left to right): William Melvin Weigel, Robert F. Bruzewski, Sylvester J. Pagano, Mrs. Melvin P. Weigel, Dr. Kenneth G. Mayhan, Dr. Bobby G. Wixon, Thomas J. Welsh. Standing (left to right): Elmer W. Belew, Jack H. Thompson, Frank E. Townsend, William D. Busch, Vernon T. McGhee, Russell H. Wiethop, Hilbert F. Michel, Dr. A. Glen Haddock, Dr. Bill L. Atchley, Peter F. Mattei.

Alumni Awards

(Continued)

Those receiving Alumni Service Awards were: Elmer W. Belew, '47, executive director of the Bi-State Development Agency, St. Louis, past president St. Louis chapter of Missouri Society of Professional Engineers and St. Louis Section of American Society of Civil Engineers and president elect of Engineers' Club of St. Louis, given in recognition of outstanding service to the University and his community; William D. Busch, '42, district manager of Pettibone Corp., Cleveland, Ohio, and area representative for MSM-UMR Alumni Association, given in recognition of outstanding service to the University and the Alumni Association; Vernon T. McGhee, '42, director of systems

planning for Phillips Petroleum Co., Bartlesville, Okla., and area representative for MSM-UMR Alumni Association, given in recognition of outstanding service to the University and the Alumni Association; Jack H. Thompson, '52, vice president-manufacturing, Bodine Aluminum Co., St. Louis, and area representative working with UMR students, given in recognition of outstanding service to the University and the Alumni Association, and Russell H. Wiethop, '32, retired chief-planning and reports branch, Missouri River Division, U. S. Army Corps of Engineers, Omaha, Neb., and representative for class of 1932, given in recognition of outstanding service to the University and the Alumni Association.

Those receiving the Alumni Achievement Award were: Hilbert F. Michel, '36, chief engineering division, Ohio River Division, U. S. Army Corps of Engineers, Cincinnati, Ohio, given in recognition of outstanding professional accomplishments; Frank E. Townsend, '11, retired chief chemist, National Zinc Co., Inc., of Bartlesville, Okla., and still a practicing consultant, given in recognition of outstanding professional accomplishments, and Melvin P. Wiegel, '23 (deceased) retired vice president of Alcan Aluminum, Ltd., Montreal, Quebec, Canada, given in recognition of outstanding professional accomplishments. The award was accepted by Mr. Weigel's son, William Melvin Weigel.

Honor to Student Chapter American Institute of Chemical Engineering

The University of Missouri - Rolla student chapter of the American Institute of Chemical Engineering (AIChE) has been notified that it has won its fourth consecutive "Award of Excellence" for the 1972-73 academic year. In addition, UMR's chapter adviser, Dr. Harvey Grice, professor of chemical engineering, has been selected win-

ner of the AIChE "Outstanding Student Chapter Counselor Award."

UMR's student chapter of AIChE is one of 120 such student chapters throughout the nation. This is the fourth time in the four-year history of the award that the UMR chapter has won it. Dr. Grice has been chapter

adviser since the beginning of the 1968-70 academic year.

Chapter presidents during the 1972-73 academic year were Richard Schafmeyer, St. Louis, currently a graduate student in chemical engineering at UMR, and Michael Ford, Cumberland, Md., graduate employed by Celanese Corp.

C. J. Grimm to Retire

by J. R. Betten



Homecoming 1969, Prof. Jim Grimm, '30, is presented the Alumni Service Award by Jim Murphy, '35, Association President.

Professor C. J. Grimm, a man who has become a legend in his own time, is scheduled to retire at the end of this academic year after 24 years of dedicated service to the Electrical Engineering Department to the Campus and to the Community. A testimonial luncheon and reception will be held in his honor on March 16, 1974, and a scholarship fund* is being established in his name.

Undoubtedly Grimm, the man, has many images — to some he has been a big brother, to others a father confessor, to many in terms of providing help and assistance he has been a Superman, a Captain Marvel, and to all who know him (especially the students) he has been a friend a true friend the type of person that can always be counted upon to be in your corner when the chips are down and the kind of guy that will pat you on the back or kick you in the pants depending upon what

you need at the time. How he always seems to know whether to pat or kick, heaven only knows; but he always seems to be able to choose the right kind of treatment with unerring accuracy.

As freshman advisor and as coordinator of the entire department advisement program, Grimm has come to know each of the electrical engineering students personally and professionally. He knows their home of origin, and in most cases he has met and had numerous exchanges with parents, the wives, and even the brothers and sisters of most of our students. He has kept track of their grades, their successes with summer employment, their campus activities, etc., etc. Whenever someone asks him for a recommendation on a former graduate, you can be sure that his description will be accurate; and further, his recommendations are not all flowered with platitudes. He simply pre-

sents his former students as human beings with human frailties as well as God given talents. He stresses their strengths and suggests the type of working environment which will almost certainly guarantee the success of the student in the profession.

Also, as most people know, he has something close to a photographic mind . . . an indelible memory that allows him to recall, recognize and assist almost immediately with matters pertaining to former students that have graduated 10, 15, or even 20 years ago!

As a registered professional engineer, Grimm has always been an extremely strong professionally oriented professor. He initiated the freshman orientation program and the senior seminar series, which concentrate, first at the beginning and then at the end of the college career, on the elements of, and the need for, professionalism and ethical practice in the field of engineering. He also served for years as faculty advisor to the student branch of AIEE and IEEE and held national office in that organization. In addition, he has served as faculty advisor to numerous professional and honorary organizations on campus.

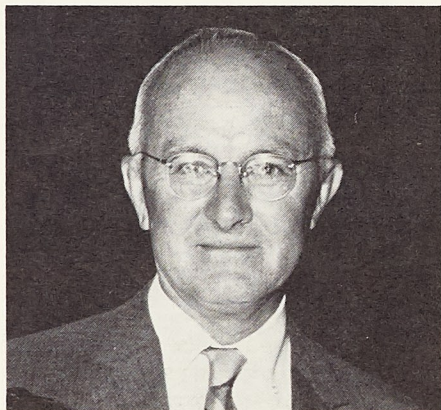
As mentioned above, in the true-friend nature of his character his personal side always comes through just as strongly as his professional side. When you've done something well, or when he's particularly happy with you, he's liable as not to give you a hug . . . a one armed hug that reaches out, pulls you close to his right side, and literally lifts you up off the floor, whether you weigh 90, 190, or even more. But watch out brother! If you've done something wrong, he'll tear into you with an almost unmerciful tongue lashing a dressing down that would chase even demons away! For what it's worth, he does the same thing in faculty meetings. He doesn't seem to care whether you're a student, a professor, a department chairman, or whatever. If you are getting off track he'll move you back with a lighting-like flash that you'll remember as long as you live. What's more, when things aren't running entirely smoothly (and they rarely are), he stomps around and fusses around like the meanest old grouch you've ever seen. Now how can everyone seem to love an ornery old cuss like that? How indeed!

(Continued next page)

GRIMM (Continued)

Getting to know and keeping up with all of the students in the department of electrical engineering, on a firsthand basis, as well as maintaining contact with former graduates would seem by itself to be a full time job, or perhaps an impossible one for most people. In Grimm's case, he has found time in addition to develop new courses, serve on important faculty committees, and participate in virtually all University and professional electrical engineering activities, within a 500 mile radius of Rolla. To him it's just all been part of the job, just like grading problems, reports, and examinations, not to mention designing them in the first place. With Grimm there's not been any 8 to 5 stuff, it's been more like 7 til 7 (and often times till midnight) virtually 7 days a week. A big sacrifice? Perhaps . . . but he's loved every minute of it, and so have all of his students, his faculty colleagues, and his friends. May he enjoy his retirement as much!

*Contributions should be sent to the C. James Grimm Scholarship-Loan Fund, c/o Dept. of Electrical Engineering, University of Missouri - Rolla, Rolla, Missouri 65401.



Prof. Grimm

**Editor's note, the above remarks were prepared by J. Robert Betten, Professor of Electrical Engineering and Chairman of the Electrical Engineering Department. Dr. Betten would have no reason to know of Jim's many years of support and activity in behalf of the Alumni Association. A frequent visitor to the alumni office, Jim has for years been the ultimate answer on alumni of the EE department. The alumni staff wishes to record appreciation for Jim and to suggest that the alumni work is easier and more fun because of him.

Academy of Civil Engineers



Nine civil engineering alumni of the University of Missouri - Rolla were recently inducted as members of the UMR Academy of Civil Engineers. The Academy honors outstanding alumni and serves as an advisory group to the UMR civil engineering department. New members are, seated, left to right: Joseph H. Senne, Jr. of 302 Christy Drive, Rolla, chairman, UMR civil engineering department; James Glover of Houston, Tex., on special assignment in the manufacturing division, Shell Oil Co.; Dale Carney of 916 Carol, Jefferson City, division engineer, Bridge Division, Missouri Highway Department, and Leon Hershkowitz of 1300 Powell, Rolla, UMR professor emeritus of civil engineering and former assistant dean of faculty and director of placement. Standing are, from left: Robert G. Livingston of 5500 Helmdale Lane, Alexandria, Va., chief liaison officer, U. S. Army Engineers Topographic Laboratory, Fort Belvoir, Va.; Robert Vansant of 435 E. 55th, Kansas City, assistant head, design department, Civil-Sanitary Division of Black and Veatch Consulting Engineers, Kansas City; Raymond O. Kasten of 901 W. 114th Terrace, Kansas City, manager of sales, Wire Rope Products, Armco Steel Corp., Kansas City; John C. Theiss of 8233 Audrian Ave., St. Louis, principal, Heinicke & Theiss, Engineers, St. Louis, and Kenneth W. Schoeneberg of 1440 Sherwin, Chicago, Ill., executive research engineer of the Association of American Railroads, Chicago.

University Day

How would you like to fly a moon landing simulator? see music in living color? see a laser demonstration? see a fiery display where iron oxide and aluminum are turned into molten iron? play a game of tic-tac-toe with a computer? see a quicksand demonstration? make sound go through rock? see an actual canoe made of concrete? see a car designed specifically for an urban environment? try to walk a crooked line while carrying an ordinary suitcase? receive a souvenir which has been cast out of liquid lead while the student watches?

These are just a few of the exhibits

and demonstrations which high school and junior college students saw or participated in Saturday, Nov. 17, on the campus of the University of Missouri - Rolla.

University Day at UMR is an open house where students, their parents, counselors and teachers are invited to come and take a look at the campus. UMR students conduct tours of classrooms, laboratories and research facilities. UMR faculty, staff and students answer questions about enrolling, housing, student or organizations and what courses are necessary for the different degree programs. Watch for the 1974 University Day announcement.

Science Fiction Buffs, Advance and be Recognized

Alumni are being asked to help establish a collection of science fiction and fantasy literature in the UMR library. The request is being made by Ms. Elizabeth Cogell, Instructor of English, who will teach a course in SF literature at UMR this spring. She gives several reasons for her appeal.

First, the collection is needed for UMR student research. MSM and UMR students have always had a strong interest in SF literature, as is clearly demonstrated by the large number of students who pre-registered for English 99 (SF Literature). Students, however, will have to work with the small holding in the library. The present collection was begun by Ms. Cogell last summer when the Humanities Department made money available to order about 150 volumes. An adequate collection would number 2000 volumes.

Second, the Alumni have the opportunity to help UMR establish a unique SF collection. Only fourteen other schools in the United States have started such collections, and none of these is in Missouri.

Third, with SF now recognized as a legitimate literary genre, appropriate for university curricula, more research is being done in this area. With an outstanding SF collection at UMR, scholars would be attracted here to do research. Such research would be enhanced and extended by UMR's established reputation in engineering and science.

Alumni can help by donating money to purchase books for the collection or by donating books and magazines from their own libraries. Ms. Cogell emphasizes that every book is valuable. In this field, a hardback book is not necessarily a sign of value; many books were originally published as paperbacks. Many of the pulp science fiction magazines from the 1930's and 1940's are quite valuable for research in the field — regardless of their present condition. These magazines are simply not being reprinted.

Further, there are many SF books which are no longer available. For example, L. Sprague deCamp's *Science*

MSM Alumnus

Fiction Handbook, published in 1953, is a valuable critical work which is no longer in print. Many of the novels, some of them award-winners, some of them recently published, are out-of-print. A few examples are the following: John Brunner, *Stand on Zanzibar*, 1972; Brian Aldiss, *The Long Afternoon of Earth*, 1963; James Blish, *A Case of Conscience*, 1958; Ray Bradbury, *A Medicine for Melancholy*; Jules Verne, *Robur the Conqueror*; John Campbell, *Islands in Space*; Frederick Pohl (ed.), *The Expert Dreamers: 16 Stories by Scientists*, 1962.

Personal recognition will be given to each donor. The individual's name will appear in the books which he/she has helped add to the collection.

Anyone desiring to make a donation or having further questions should contact Elizabeth Cogell (Humanities Dept., UMR; Phone 314/341-4622) or Howard Eloe (Director of Development, UMR; Phone 314/341-4001).

Bay Named

Robert D. Bay, Director of Technical Services, Laclede Steel Co., St. Louis, Mo., was installed Oct. 31 as a National Director of the American Society of Civil Engineers, a 68,000-member professional engineering society. He took office at the Annual and National Environmental Engineering Meeting of the Society being held all this week.

Mr. Bay is responsible for research and development at Laclede Steel and is actively identified with design of the unique composite floor truss system at the World Trade Center, New York City. Other experience includes work on the Chain of Rocks Lock and Canal, and the St. Louis Water Works.

His numerous ASCE activities have included the holding of all offices in the St. Louis Section, culminating in the presidency two years ago. He is also affiliated with a number of other professionally oriented organizations.

He is an Honorary Member of Chi Epsilon, national engineering fraternity and is a noted author and lecturer.

Bob is an area director of the MSM-UMR Alumni Association and a charter member of the UMR Academy of Civil Engineers.

Pogue Appointment Announced

Acting Chancellor Dudley Thompson announced on November 14 the appointment of Dr. Jim C. Pogue as acting dean of faculties at the University of Missouri - Rolla. In making the announcement, Dr. Thompson said he had conferred with and has the concurrence of University of Missouri President C. Brice Ratchford on this matter.

The appointment is effective immediately. The acting chancellor said, "I selected Dr. Pogue, in part, because of his deep involvement with the various campus academic plans now being prepared."

In addition to continuing work on these academic plans, Dr. Pogue will assume all duties normally associated with the dean of faculties' office such as work with Academic Council, faculty evaluations, etc.

Dr. Pogue is professor of English and Chairman of Department of Humanities. He joined the faculty of University of Missouri - Rolla in 1964.

NOTICE

The Alumni Association through the Awards program recognizes individuals with honors appropriate to achievement, service and merit. The Awards Committee solicits suggestions of alumni and faculty and friends of the university who should be considered for such honors. Please send names with supporting information to the alumni office. All names previously suggested are maintained in the active file. An Award, presented at Homecoming, is not normally made to any member of a Reunion Class and honorees who are in that category are carried forward to a non-reunion year.

NOTICE

Alumni meetings will be scheduled in connection with A. I. M. E. meeting in Dallas in February and the A. S. A. E. in Detroit also in February. Watch for letters of invitation and announcements in society publications.

Elected Eminent Engineers

Bill L. Atchley, '57, John B. Heagler, '51, and Robert D. Bay, '49 were elected as Eminent Engineers by Tau Beta Pi. The initiation ceremony was held on November 10, 1973. Atchley and Heagler are members of the faculty at UMR and Bay is Director of Technical Services of Laclede Steel. Bay is also a director of the MSM-UMR Alumni Association and President of the UMR Academy of Civil Engineers.

ANNOUNCEMENT

The University Center is now handling John Roberts Class Rings. They are available in regular UMR style, in a Joe Miner motif, an experimental all University design. Special MSM rings may be special ordered. For personal attention direct requests to Jess Zink, Director, Auxiliary Enterprises, UMR University Center West, Rolla, Mo. 65401.

Celenese Corporation Checks



Three checks totaling \$6,000 were recently presented to the University of Missouri - Rolla by representatives of the Celenese Corp. Making the presentation were, from left, J. R. Stretch, group account manager, Celenese Fibers Marketing, New York, N. Y., and Diane Dawson, engineer at Celenese Fabric, Rock Hill, S. C., and a 1973 graduate of UMR. Accepting the three \$2,000 checks is Dr. Bill Atchley, associate dean of the School of Engineering. The unrestricted gifts from Celenese Corp. are for the development funds of the School of Engineering and the departments of chemical and mechanical engineering. The money will be used for scholarships, equipment or professional development.

Extension News . . .

Here's a list of some of the extension short courses and conferences scheduled by UMR faculty and the extension division. Where titles are not self explanatory you may call for more detailed information including costs. Call "Extension Coordinator," 314/341-4201 or (4202). Written requests should be addressed to Walter Ries, UMR Extension Division, University of Missouri - Rolla, Rolla, Missouri 65401.

PROGRAM NAME	LOCATION	DATE(S)
Fundamentals of Shallow Foundation Design	Rolla, Mo.	Jan. 28 — Feb. 2, 1974
Finite Element Methods in Structural	UMR - Rolla, Mo.	Feb. 25 — March 1, 1974
Foreign Language Fair	UMR - Rolla, Mo. University Center	March 1, 1974
Mid-America Metric Conference	Stauffer's Riverfront Inn St. Louis, Mo.	March 17-19, 1974
4th Annual Power Apparatus Testing Techniques	Centralia, Mo.	April 30 — May 3, 1974
1974 Underground Electrical Distribution Conf.	Columbia, Mo. Ramada Inn	May 7-8-9, 1974
Symposium on Productivity in the Mining Industry	Rolla, Mo.	May 13-14-15, 1974
Third Computer Methods of Optimum Structural Design	Rolla, Mo.	May 13-17, 1974
22nd Missouri Concrete Conference	Columbia, Mo. Ramada Inn	March 1, 1974
EIT Review Class (For this class, contact Dwight Hafeli, UMSL)	UMSL Campus	Feb. 26 — April 4, 1974

Day-Long Seminar

"Opportunities for Women" was the theme of the first day-long seminar for women held on the campus of the University of Missouri-Rolla early in December.

Keynote speaker for the event was Elaine Aber, employment service counselor for the State of Missouri, Jefferson City. She told the group of almost 100 UMR and area high school girls about "Opportunities for Women — Past, Present and Future."

Following the luncheon, Betsy Bruce, co-anchor and staff news reporter for KMOX-TV, St. Louis, recounted some of her experiences as editor of UMC's "Maneater" and as a TV interviewer. Betsy is also the wife of UMR alumnus, Robert Bruce (Class of 1969) and she made occasional references to former "Party Weekends."

Elizabeth Cogell, director of continuing education for women at UMR, led a panel discussion during the afternoon. It featured seven women who described various aspects of their particular careers.

Panel members were: Norma Curby, structural design engineer, Monsanto Corp., St. Louis (Class of 1972); Patricia Plummer, assistant professor of physics and senior research investigator, Cloud Physics, UMR; Thelma Jennings, data processing consultant, McDonnell Douglas Automation Co., St. Louis; Ioma Carnahan, English teacher, Ft. Leonard Wood Junior High School, and Realtor (Class of 1972); Marian Brune, St. Louis County Government Personnel Department, St. Louis; Jeanie Klein, R.N., Rolla, and Barbara Russell, M.D. (pediatrics specialty), Rolla.

The event was sponsored by the Student Union Board, Special Events Committee and the student chapter of the Society for Women Engineers in cooperation with the office of student personnel. It has been proposed that this program become an annual event.

NOTICE

GDI is alive and well at UMR, watch for the feature in the April ALUMNUS, they promise to report failures as well as their recent successes.

Zenor Directs a Different Approach to Continuing Education

The Extension Division is initiating an experiment this year in continuing education. It is under the direction of Dr. Hughes M. Zenor, professor of physics and geophysical engineering.

Courses are being offered in such a manner that students who work fulltime may still get regular college credit by spending only one week per course on the UMR campus.

A homework assignment is made covering the same amount of reading and the same number of problems to solve that would normally be given during the regular course. At a specified time the student will come to the UMR campus and spend six days (for a 3-hour course) or 7½ days (for a 4-hour course).

The period on campus will encompass a highly concentrated series of lectures, problem solving and tutoring assistance periods. At the end of this time a final examination will be given. If passed, with the proper credentials and payment of fees, credit for the course will be given.

"Since the student will not have the usual tutoring and the usual distribution of lectures and homework assignments," says Dr. Zenor, "the burden of learning will be placed on the individual. Those students who are able to do pre-campus homework assignments will prove they have above average ability, ingenuity and perseverance."

This type of learning experience may also be adapted for the individual who desires one week of intensive training but does not have time for prior preparation, or an individual who has had the course but would like a review. In these situations, no college credit would be given.

Courses offered during the 1973-74 academic year are General Physics I (4 credit hours), Theoretical Acoustics (3 credit hours), General Physics II (4 credit hours) and Operational Calculus (3 credit hours).

During 1974-75, the same courses will be offered plus Introduction to Operations Research, Gravity and Magnetic Prospecting, Elements of Potential Theory, Theory of Elastic Waves and Seismic Data Processing.

Dr. Zenor hopes that this program will prove to be of interest to alumni — if not for the individual alumnus, then maybe to some of his fellow employees.

For further information about details of the program write or call, Bill Kratzer, Extension Division, University of Missouri-Rolla, Rolla, Mo. 65401 (314-341-4201).

Continuation Grant

A National Science Foundation (NSF) grant of \$311,200 to the University of Missouri was announced, Oct. 19.

The grant is a continuation of an investigation of environmental pollution by lead and other heavy metals from industrial development in the "New Lead Belt" of southeastern Missouri.

Dr. Bobby G. Wixson, professor of environmental health at the University of Missouri-Rolla, is director of the research project. "This is an intercampus program utilizing research efforts of faculty in several disciplines," he says.

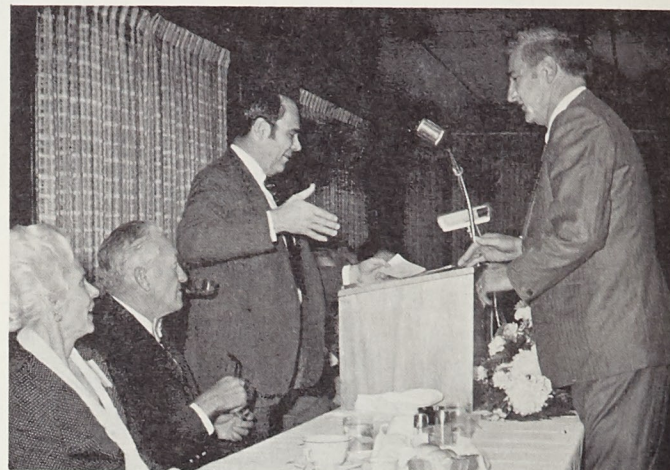
"It is also a cooperative effort among University personnel and personnel of the industries and governmental agencies located in the 'New Lead Belt.' We are pleased that the Research Applied to National Needs-trace contaminants section (RANN) program within NSF respects the project's value enough to continue the funding. Last year's grant was \$300,000," he concluded.

Other University personnel conducting research programs related to the project are: Rolla campus — Dr. Ernst Bolter, associate professor of geology; Dr. Nord Gale, associate professor of life sciences; Dr. Charles Jennett, assistant professor of civil engineering; Dr. Krishnier Purushothaman, associate professor of civil engineering; Dr. William Tranter, associate professor of electrical engineering. Columbia campus — Dr. Delbert D. Hemphill, professor of horticulture; Dr. Roy Koirtyhonn, associate professor of agricultural chemistry. University-wide — Dr. James Pierce, associate professor of bioengineering and community health.

Exceptions to the Friday Night Non Program



Association President Pete Mattei watches as Bernard Sarchet, Chairman of the Engineering Management Department makes an "Outstanding Teacher" award to Thomas Welch, a visiting executive-in-residence and teacher in the 1972-73 year.



Association President-Elect Bob Brackbill ready to shake the hand of Roy T. Clayton, '50, who has just presented a \$10,000 check to the university on behalf of his employer, Halliburton Services. Mrs. Unklesbay and President Ratchford are the on-lookers.

How About Reunions

Successful reunions almost invariably are the result of one or more individuals in each honor class taking some time to encourage attendance and possibly planning an event especially for the Class. So, if you really want to see what happened to those Greek gods of yesteryear, now is the time to begin.

The Alumni Office, with several weeks lead time, will be happy to prepare Class Rosters, print copies of same, duplicate letters on your letterhead (or furnish standard type), address envelopes, pay postage, and handle routine correspondence. Where possible we will assist with local arrangements, and while rooms last, book accommodations at the Manor Inn (once the Pennant).

HOMEcoming in Rolla is something special, and that's because of the efforts of alumni who care, so mark October 11 and 12, 1974 and see what we can do together.

Are you eligible to use this service? Yes, if you are a member of a Class ending in "4" or "9", an alumnus of more than fifty years, or someone who wants to get a running start for a future reunion.

Those Who Attend Class Reunion Luncheons 50 Years and Over



Seated (left to right): Mrs. David Flesh, Mrs. Milburn Dorris, Mrs. Walter Lottman, Mrs. Joe Wanenmacher, Mrs. Charles Barnard, Mrs. Muir Frey, Mrs. Roy Lindgren, Mrs. Ragan Ford, Mrs. Harry (Bid) Pence, Mrs. Wayne Frame and Mrs. Walter Werner. Standing (left to right): David Flesh, Albert Needham, Walter Lottman, Joe Wanenmacher, Harland Hoppock, Charles Barnard, Muir Frey, Milburn Dorris, Roy A. Lindgren, Ragan Ford, Marion Badollet, Walter Werner, Wayne Frame and Edwin Schuman.

Class of 1928



Seated (left to right): Mrs. Albert Hill, Mrs. Sam Hodgdon, Mrs. Jerry Donaldson, Mrs. Mark B. Layne, Mrs. W. K. Schweickhardt, Mrs. Charles A. Freeman, Mrs. Howard Moreland, H. R. Kilpatrick. Standing (left to right): Albert L. Hill, Henry Emmett Gross, Sam D. Hodgdon, J. G. Donaldson, Mark B. Layne, W. K. Schweickhardt, Charles A. Freeman, Howard B. Moreland, Daniel Crumbaugh.

Class of 1933



Seated (left to right): Mrs. Coghill, Mrs. Borchers, Mrs. McDonald, Mrs. Roemer, Mrs. Edgar, Mrs. Dodson, Mrs. Beinlich and Mrs. Hickman. Standing (left to right): Vernon L. Asher, W. W. Coghill, R. W. Borchers, James F. McDonald, Elmer A. Roemer, M. Russell Edgar, Virgil L. Dodson, A. W. Beinlich, Jr., Henry S. Hickman and Don M. Long.

Class of 1938



Seated (left to right): Mrs. Scarborough, Mrs. Ellis, Mrs. McCurdy, Mrs. Smith, Mrs. Peukert, Mrs. Alger, Mrs. Nickel. Standing (left to right): Ralph L. Scarborough, Craig Ellis, Belding McCurdy, Hueston M. Smith, Joseph W. Mooney, Norman L. Peukert, Robert P. Alger and Melvin E. Nickel.

Class of 1943



Seated (left to right): Edith Skitek, Adeline Kackley, Jeanne Flood. Standing (left to right): G. G. Skitek, Bill Higley, Roy Kackley, H. W. Flood, Enos L. Key.

Class of 1948 Silver Miner Awardees



Seated, front row (left to right): Cecil A. Branson, Shirley L. Branson, G. H. Moline, L. F. O'Neill, Becky O'Neill, Carol Kortjohn, Larry Jamboretz. Second row, seated (left to right): William A. Ellis, John L. Mundy, Fred A. Todd, Robert A. Volz, Charles and Phil Browning, Ollie Kortjohn, Harold G. Moe, Carol R. Johnson, Warren F. Harter, Ray Juergens. Seated around table (left to right): Mrs. W. A. Schaeffer III, Mrs. J. T. Hepp, Marsha Landy, Mrs. Robert Hackmann, VirginiVa Fields, Mrs. Jayne Tapperson, Mrs. Harry Grigsby, Mrs. E. M. Gurnea, Mrs. Stanley E. Bye, Jr., Mrs. Michael Delany. Standing, back of table (left to right): Marilyn Volz, Betty Mundy, Ardelia Browning, W. A. Schaeffer III, Sue Ellis, Joseph T. Hepp, Emogene Hudgens, E. W. Hudgens, Herb Landy, Gwen Gevecker, Robert V. Gevecker, Bob Hackmann, Les Fields, Arthur Tapperson, Jr., Maggie Zwirbla, Mike Zwirbla, Jim Hoelscher, Margaret Hoelscher, Harry G. Grigsby, Lorraine Mathews, E. M. Gurnea, Walter Mathews, Stanley E. Bye, R. Allen Crosby, Michael J. Delany, Mrs. Carl R. Johnson, Mrs. Harvvey Leaver and Harvey Leaver.

Class of 1953



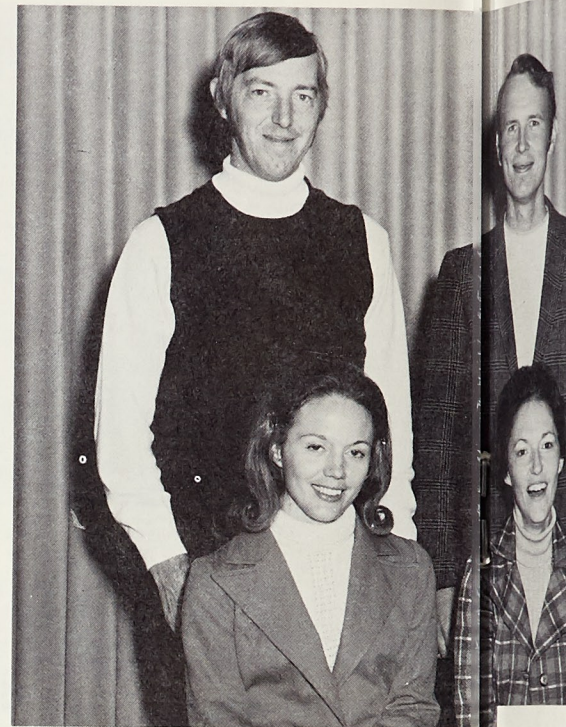
Milan Lipensky, Ardis Gjelseen and Thor Gjelseen.

Class of 1958



Seated (left to right): Donna Strieder, Linda Modesitt. Standing (left to right): Henry L. Strieder, Delbert Day, Donald Modesitt.

Class of



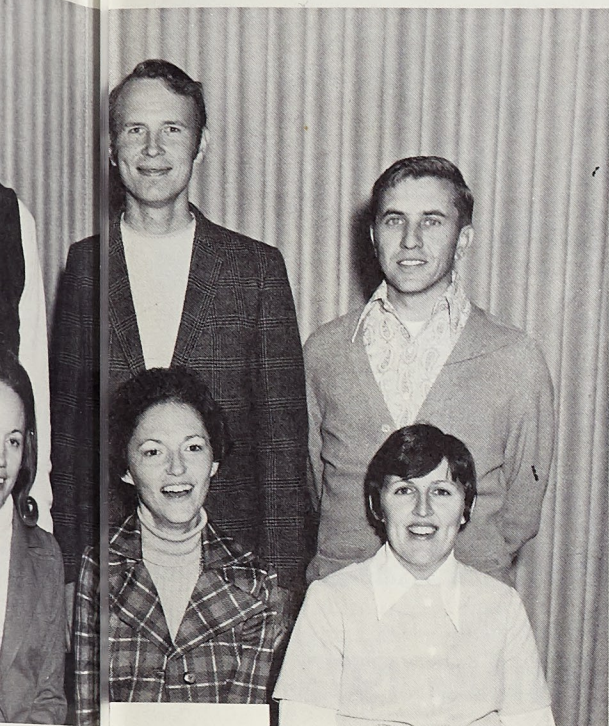
M/M Mike O'Brien, M/M Bob Koester

Class of



M/M Tom Pokake and M/L

Class of 1963



'Brien, M/M Bob Koester, M/M Roger Ringhausen.

Class of 1968



M Tom Pokre and M/M Paul Weitzel.

er 1973

MSM-UMR Alumnus

Search and Screening Committee Selected

University of Missouri President C. Brice Ratchford has announced the selection of a Search and Screening Committee for a University of Missouri Rolla chancellor.

This committee includes Dr. A. G. Unklesbay, University-wide vice president for administration; two UMR administrators, three members of the Rolla faculty and two students. They are: Dr. J. Stuart Johnson, dean of the School of Engineering; Joseph D. Wollard, business officer; Dr. Charles A. Sorrell, professor of ceramic engineering; Dr. James H. Tracey, professor of electrical engineering; Dr. A. Glen Haddock, chairman and professor of math-

ematics; Larry B. York, undergraduate student, and Henry E. Berek, graduate student.

President Ratchford met with the committee and, in delivering his charge to the committee, stressed the importance he places on maintaining the confidentiality of each application for this position.

He also urged the committee to fulfill its obligation as quickly as possible. The president repeated his earlier hope that a new chancellor for the Rolla campus can be selected by the beginning of the 1974-75 academic year. He said this should allow the new chancellor to be on campus next August.

NOTICE!

The UMR Chancellor Search and Screening Committee solicits your support in performing its assigned task. We have been charged with providing President Ratchford an unordered list of from four to ten acceptable candidates. You are encouraged to assist the committee by nominating individuals you feel are qualified for the position and/or providing the committee with suggestions of qualifications needed by a UMR Chancellor. You may write or call:

Glen Haddock, Chairman
Chancellor Search and Screening Committee
Room 326 Mathematics - Computer Science Bldg.
University of Missouri - Rolla
Rolla, Missouri 65401
Telephone: 314-341-4641

Outstanding! Young! Women! Men!

The following graduates were honored by selection for listing in *Outstanding Young Women of America*:

Jane H. Bennett '68, Dixie Lee B. Finley '68, Stephanie L. Kettlekamp '65, and Diane J. Nitsche '67.

And in *Outstanding Young Men of America*: Donald C. Scarpero '67, Ralph Michael Salmon '63, Dr. C. Stuart Ferrell '64, Walter C. Mulyca '65, Gerald J. Kettler '65, James R. Murphy '68, Vincent P. Crane '66, George W. Leck, III '61, and Dr. Daniel K. Goodman '65.

Recognition Function Being Planned

Officers of the Alumni Association are planning an event to recognize the tremendous contribution of Merl Baker to the University of Missouri - Rolla during his 10 year tenure as Chancellor.

James J. Murphy, Past President of the Association will act as chairman of the committee to organize the affair. It is likely the site will be set in St. Louis and the date in late February. In addition to alumni, the invitation list will include students, UMR faculty and staff, government and academic officials, business leaders and other friends of the University and Dr. Baker.



Mrs. Ratchford and Dick Bauer.



Dudley Thompson and Ike.

ALUMNI FESTIVITIES, HOMECOMING 1973

Homecoming festivities at the University of Missouri - Rolla on the weekend of Oct. 26-27, were termed a big success by all concerned.

"More alumni than ever before returned to Rolla for Homecoming this year," said Frank Mackaman, director of alumni activities. "I would estimate that there were about 3,500 visitors to the campus during the weekend. Of course, the fact that the Miners won the Homecoming football game helped to make it a successful event."

Alumni visiting the campus on Friday and Saturday were treated to a special welcome. If they happened to look up — way up — they could see a welcoming banner stretched half-way between UMR's two 200 foot tall smoke stacks. Thursday night, members of the Delta Sigma Psi fraternity had climbed both of the stacks (complete with safety lines — they said) and added their own aerial touch to the Homecoming scene.

First major event of the weekend was the Friday meeting of the Board of Directors of the MSM-UMR Alumni Association. Officers and area directors met in the Silver and Gold Room of the University Center to discuss the business of the Association.

That evening an Early Arrivals Dinner was held at the Manor Inn. There were so many alumni, faculty and staff in attendance that extra tables had to be added hurriedly so that everyone would have a place for dinner.

University President C. Brice Ratchford welcomed the group and Alumni President Pete Mattei introduced a few of the notables present. Among those recognized was Frank Townsend, Class of 1911, the earliest class represented, and former Chancellor and Mrs. Merl Baker. Highlight of the "non-program" that night was the presentation of a \$10,000 check from the Halliburton Education Foundation. The check was accepted for the University by Association president-elect, Robert Brackbill. It was presented by Roy T. Clayton, assistant division manager for Halliburton in Oklahoma City, and a member of the Class of 1950.

Social hours before and after the dinner proved to be most convivial. Veteran bartenders, Paul Munger, '58, Rod Schaefer, '47, and Bob Wolf, '51, (all UMR faculty members) were at their usual stand to lend a hand with the festivities. Later visits to fraternities or to the homes of some faculty members were enjoyed by the hardier alumni and their wives.

Saturday morning alumni from the honor classes and those being honored at the banquet that night were special guests at an Eye-Opener Reception at the Chancellor's Residence. This event was followed by breakfast at the new University Center.

After a leisurely paced morning spent on campus, members of the honor classes met again at the Manor Inn to lunch with their classmates at noon. At the same time, the St. Louis section of the Association held an open house at the Pubmobile, next door to the Manor Inn.

Although the day was cloudy and promised rain, many alumni couples braved the weather and attended the football game that afternoon. They were well rewarded for their efforts. The Miners won the Homecoming game.

In a jubilant mood, alumni, faculty and staff re-assembled at the Manor Inn that evening for the annual Awards Banquet. Alumni Merit, Service and Achievement award plaques were presented to 15 individuals.

Acting Chancellor Dudley Thompson paid tribute to former Chancellor and Mrs. Baker by giving a resume of achievements of the University which occurred during their tenure.

After a short session to transact the official business of the Association, the meeting was adjourned. Alumni who had had an active day or two of activities began to wind down and think about plans to return home.

Alumni had returned to the campus from at least 26 states ranging from New England to California and from Louisiana to Michigan. Mr. and Mrs. Joseph Hepp (Class of 1948) of North Muskegon, Mich., were representative of the returnees.

They had not been back to Rolla since the early 1950's. Hepp, who has his own business as a sales, engineering and management consultant, expressed himself as being pleased with the changes he found in the University.

"Of course, the campus is completely different," he said. "There are so many new buildings it's hard to find our way around. But it's good to see all the new facilities and realize that so many of the academic programs have been strengthened — even though we can't but feel a little nostalgia for the campus of the old days."



Florence Flesch and Margaret Lloyd (Ms. David and Ms. Sam) help F. Stillman Elfred look for a snapshot, possibly.



Sharing a soda, Russell Wiethop, Bob Brackbill and Frank Mackaman.



Lucille Johnson (Mrs. J. Stuart) greets Aaron Miles' daughter, Mrs. Bill Wundrack and her son Bruce, a freshman at UMR. That's Tom Faucett toasting the group.



Walter and Mrs. Lottman visit with Marion Badollett.

FALL ROUNDUP, SPORTS STYLE

E. C. MURPHY, Writer

ERNIE GUTIERREZ, Photographer

There was good news and bad news in the Miners' fall sports schedule for 1973. First the bad news . . . UMR finished in a tie for fifth place in the MIAA football race while the Miner cross country team placed sixth.

Now for the good news . . . Optimism reigns supreme in UMR grid circles with the entire starting backfield

and many key defensive players returning next year. The Miners ended their season with a victory over Lincoln University Thanksgiving Day in Jefferson City. Coaches and fans hope this momentum will carry over into next season and produce a contender for the conference crown.

The Miners finished their season with

a 3-6-2 mark and a 2-3-1 conference record. It was a slight improvement over their 2-9 record of 1972. But the Miners came within a couple of plays of being 6-5 for 1973.

Coach Charlie Finley's young squad opened the season on the road against a rugged Wayne State College in Wayne, Neb., coming away with a



Senior quarterback Rick LaFollette lofts a pass to wide receiver Stu Dunlop who has beaten the defender in a rainy Homecoming game.

14-14 tie. A last-minute drive for victory was stopped by the final gun with the Miners just short of field goal range.

The UMR home opener against Henderson State College of Henderson, Ark., resulted in a 14-3 loss. Again, the Miners felt they could have won the game but inexperience and a couple of costly mistakes let victory slip away in the fourth quarter.

Probably the Engineers' best effort of the season came in the third game against Missouri Southern, defending NAIA 1972 national champions. A fired-up Miner defense held the Joplin powerhouse scoreless and UMR registered a 16-0 upset on New Jackling Field. The offense gained 308 yards, 197 rushing and 111 passing. It was sweet revenge for a 39-7 loss last year in Joplin.

Things went differently the following weekend when the Silver and Gold traveled to Milwaukee, Wis., to take on the University of Wisconsin-Milwaukee. A vastly superior Milwaukee squad routed the Miners 45-7. The one bright spot in the game was the appearance of a freshman quarterback for UMR, Greg Haug, who tossed 8 of 13 passes for 145 yards in his varsity debut.

The Miners lost their first conference game against Northwest Missouri State



Miner linemen prepare for the battle in the trenches.

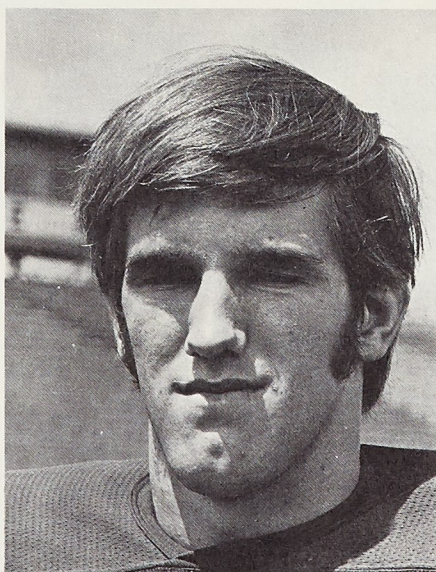
in Rolla 31-21. The Bearcats raced to a 24-0 lead and with 58 seconds remaining in the third quarter, Coach Finley once again inserted Haug into the game. He responded with a 65-yard bomb to wide receiver Stu Dunlop for a touchdown. He pitched TD passes to tight end Merl Dillow of 10 and 14 yards in

the fourth quarter to make the game respectable.

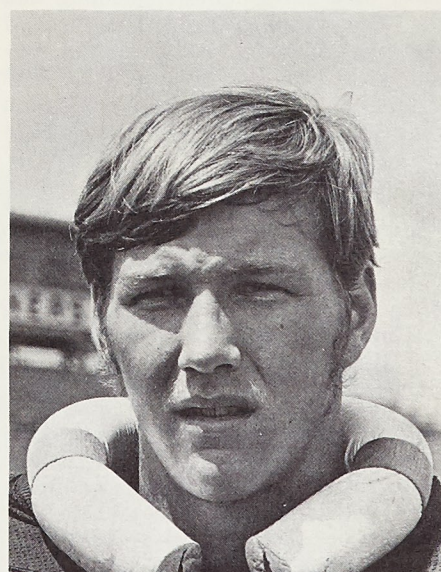
Arch rival Southwest Missouri State defeated the Miners in a scoring battle in Springfield 49-32 as both teams showed potent offenses and porous defenses. The combined passing of Haug and senior quarterback Rick LaFollette



Steve Suellentrop
All-conference defensive tackle



Jim White
All-conference cornerback



Merl Dillow
All-conference tight end

MSM Alumnus

vaulted the Miners into the conference passing lead after six games.

The Miners gave UMR alumni a homecoming victory with a 24-14 win over Central Missouri State October 27. The Haug-LaFollette duo passed for 213 yards in the contest and each three for a touchdown. Senior halfback Bobby Ajhar also threw a TD pass on a halfback option.

Another old rival, Washington University, edged the Miners 31-28 on a last-second field goal in St. Louis. The lead changed hands all afternoon until the Miners tied it with one minute left in the game. But Washington marched down the field quickly to set up the winning three-pointer in a heartbreaking loss for the Miners.

Conference champion Southwest Missouri State had little trouble in a 33-8 win over UMR in Cape Girardeau. The Indians, featuring the top quarterback in the league and a host of fine runners were too much for the Miner defense.

UMR football fortunes began their upswing November 17 against Northeast Missouri State in Rolla. In a tough defensive battle, the Miners fought back from a 7-0 deficit to gain a 7-7 tie late in the rain-swept game.

The final game of the season saw the Miners mature as a team with a 26-25 Thanksgiving Day victory over Lincoln University in Jefferson City. With only two minutes remaining and the Miners trailing 25-23, Haug guided the team 75 yards to set up the winning field goal by David Wisch. It is this kind of poise and determination that has sparked hope for the 1974 season.

The Miners will return 16 of 22 starters next year with most of the offense returning intact, as well as the defense. Only three full-time starters from each squad will be lost. With 42 freshmen listed on this year's roster, the Miners should have plenty of depth at most positions.

Haug will be the key to future successes. He completed 77 of 140 passes (55 per cent) for 1,138 yards and nine touchdowns. This was second in the conference. His top receivers, all-conference tight end Merl Dillow (who led the league with 44 catches and set a season record eight touchdown catches) and a wide receiver Stu Dun-



A horde of Miner defenders swarm over the Mule quarterback sacking him for a loss.

lop (second in the conference with 42 receptions) return as juniors next season.

Toughest to replace will be defensive tackle Steve Suellentrop who was a first team all-conference choice and rated one of the best ever to put on a Miner uniform. Jim White, all-conference cornerback also will be lost to graduation and will be missed. But Coach Finley feels he has adequate replacements at most of the positions.

"We got better as we went along," Finley said. "This year's team got emotionally high only once, against Missouri Southern. I feel that's a good sign. It means you're maturing. You don't depend on emotion to win games, but on ability. Emotion, a lot of times

won't carry you very far."

If ability is the key, the Miners will have several players returning in the fall with proven ability and this could prove trouble for Miner opponents in 1974.

Although the UMR cross country team only finished sixth in the conference this year, it had a 6-2 dual meet record and will return its best runners.

Bill Maples, a freshman from Springfield, Mo., gained the top slot during the season and will score well for the Miners in the future, according to Coach Dewey Allgood. Another freshman, David Craycroft from Kansas City will be back as will junior Mike Schepflin of St. Louis. Schepflin was

elected team captain for 1974.

The Miners opened their season September 15 with a 17-42 win over Washington University in Rolla. (Low score is the winner). Three days later, they defeated Lincoln 22-39 on the UMR course. The School of the Ozarks handed the Miners their first loss, 33-22 September 22 in Rolla.

UMR made a surprising third place finish in the SIU Invitational meet at Edwardsville on September 27. SIU-Edwardsville won the meet with Greenville College second. UMSL placed fourth behind the Miners, followed by Washington University, Bradley, Milliken and Principia.

UMR traveled to Jefferson City October 2 and beat Lincoln again, 20-42. The Miners placed fifth in the All-Missouri races in Columbia October 6. The University of Missouri - Columbia won the meet, followed by Southwest Missouri, Central Missouri, and Westminster. Finishing behind the

Miners were School of the Ozarks, Lincoln, Washington U., UMSL and Central Methodist.

The Miners won a double dual meet 26-37 against UMSL and 21-39 over Lincoln on the Rolla course October 16 before having a poor showing in the Southwest Missouri State tournament in Springfield. There the Miners finished 14th out of 19 competing teams.

SMS swamped the Miners 40-15 and UMR defeated Lincoln 21-40 in the final dual competition of the season. The MIAA championships were held November 3 at Warrensburg with Southwest Missouri winning the title and Central Missouri second. They were followed by Northeast Missouri, Northwest Missouri, Southeast Missouri, UMR and Lincoln. SMS placed second in the nationals while three other MIAA teams finished in the top 15, a credit to the strength of the MIAA in cross country.

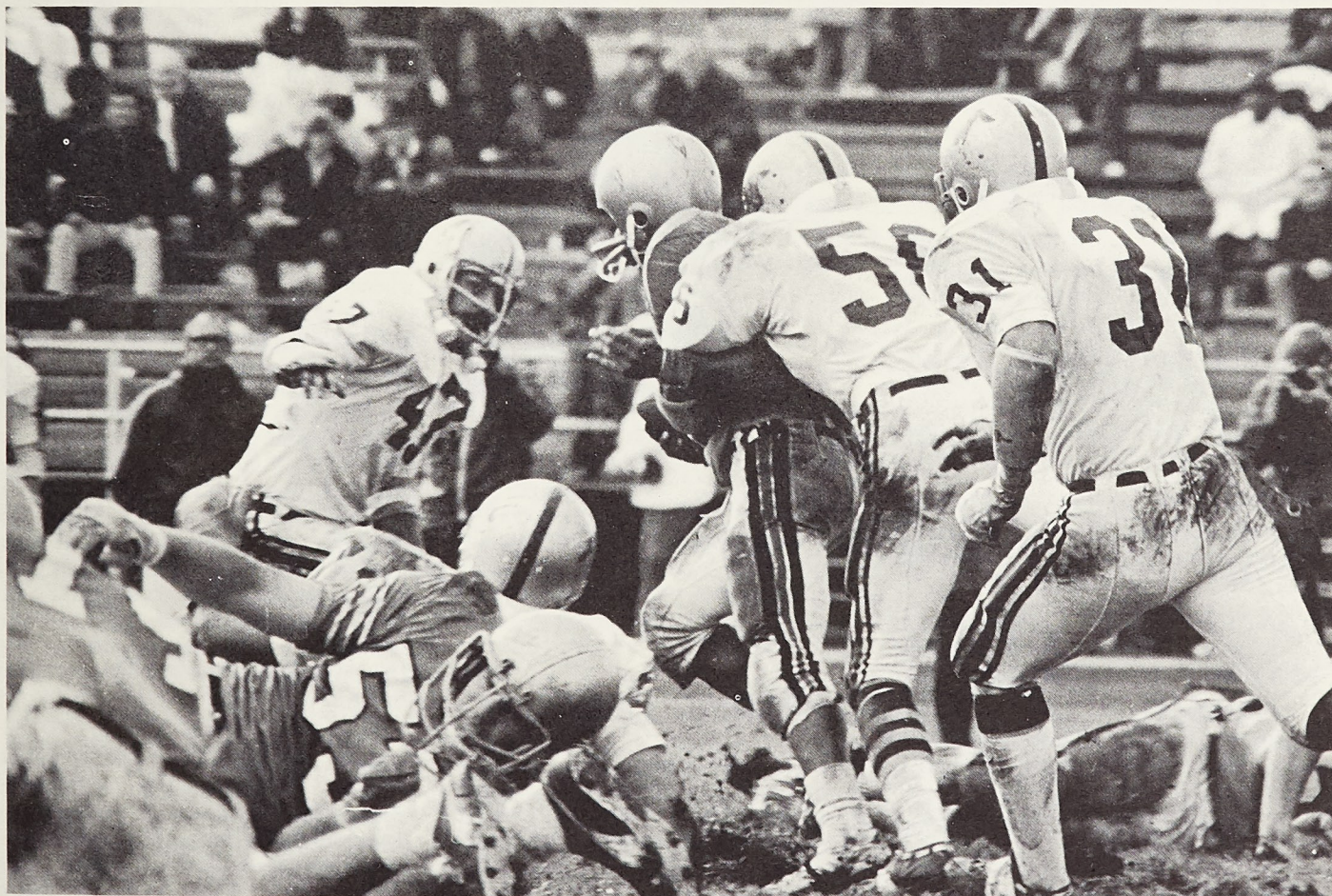
The UMR intramural program seems

to be growing every year with new sports added and additional participants in each one.

Kappa Sigma won the flag football title in an overtime game with Beta Sigma Psi, 30-21. Sigma Tau Gamma won third place over Kappa Alpha, 31-7. More than 1,000 students participated in flag football this fall.

Tau Kappa Epsilon captured the men's badminton championship while WRHA won the women's crown. More than 50 archers participated in the competition won by Lambda Chi. A new sport, billiards, was added to intramurals this year and Pi Kappa Alpha won the men's division while Kappa Delta won the women's.

Kappa Sigma is the new swimming champion for the men and WRHA won the women's division. Tech Club won the team championship in the two-mile cross country run. MRHA won the golf title for the men and WRHA the women's championship.



Powerful running back Kenton Hupp drags along the defenders as he grinds out precious yardage.

Job Opportunities

For information concerning positions listed below, please contact Mr. Larry Nuss, Director of Placement and Industry Relations, UMR, Rolla, Missouri 65401, giving the File Number of the position, state your degree, discipline and month and year of your graduation.

Regarding the listings that follow. During times of high activity in the employment market, some positions will be filled before they are published. The Placement Office will make a search for similar positions that may be open if you enclose your resume with your inquiry.

ENGINEER — B. S. M. E., 10 years experience plus plant operation, 160 employees, mid south, modern facility. File 229.

ENGINEER — B. S. C. E., Quality Control Manager, strong in concrete, no age limitations. File 230.

ENGINEER — Met., B. S., needs a few years experience in steel, metals processing, Chicago area. File 231.

ENGINEER — B. S. M. E., specialty in paints and coatings on continuous metal strips, Chicago area. File 232.

ENGINEERS — Several, sales oriented for some positions, ceramic background for others, plant locations in the south, sales positions in major cities. File 233.

ENGINEER — B. S. M. E., large company, wants 5 years equipment design experience, St. Louis vicinity. File 234.

ENGINEERS — U. S. Government, need seven, civils and mechanicals, solid waste experience. File 236.

ENGINEERS — All kinds, large company, division in New York state, room for most specialties. File 237.

ENGINEER — As Operations Manager, Metallurgical Processing, 7-10 years, Pittsburgh area. File 235.

ENGINEER—B. S. M. E., St. Louis company, 3 days a week travel, work with components. File 238.

ENGINEERS — B. S. M. E., 4 or 5 of them, interest in machine and tool design, new grads, and facilities engineer with 3-5 years experience. Iowa. File 239.

COMPUTER SCIENCE — 2 programmers, provide technical staff support, St. Louis, 1 needs 2 years cobalt programming. B. S. C. S. File 240.

ENGINEERS — Ceramic, B. S./M. S., eastern state, glass experience, all aspects of technical and commercial. File 244.

CHEMISTRY — St. Louis company, 2 openings, entry level jobs for B. S. File 249.

ENGINEER — Programmer types, large company, wants experienced EE, a Comp. Sci. or Math B. S. and Analyst, Cobol. File 250.

ENGINEERS — Company in upper mid-west, has varied openings. File 251.

ALL KINDS — NSF sponsored Center run by university corporation, lots of different engineer, scientist, post docs, etc. File 252.

ENGINEERS — Missouri county looking for a number of all levels C. E.'s and engineering managers. File 253.

ENGINEERS — B. S. C. E., St. Louis and Kansas City, one needs 10 years, project manager. File 254.

ENGINEERS — Ever thought about going into the salt mines? Co. needs to hire two B. S., M. E. or Mining. File 255.

ENGINEERS — Large company, every kind of engineer, even wants technical writers, all levels of education, it's a name you know. File 256.

ASST. SUPER. — M. E. or Met., needs an alloy caster. Midwest. File 257.

Road, Portola Valley, California. Also, there are three children and grandchildren. John A. Murphy '13, sent us the news.

1914

Clyde Willis Hall, Class of 1914, died on November 30, 1973. The following account had been prepared prior to his death and was forwarded to the Alumni Office for publication:

Clyde W. Hall, B. S. 1914; E. M. 1923, residing at Mease Manor, Dunedin, Florida, died November 30, 1973. Mr. Hall was born at Pleasanton, Kansas, November 23, 1889. After graduation from the School of Mines, he followed his profession for some ten years via the usual mining camp route in Canada, Mexico and western United States. After which he was for over 30 years with United Clay Mines Corporation (later merged with Cyprus Mines Corporation), Trenton, New Jersey, where he became President and finally Chairman-of-the-Board. In Trenton during his working years he became interested in civic activities and was into about everything; for a considerable time he served as Vice-President of New Jersey Children's Home Society. He retired in 1952 and built a home on a lake at DeLand, Florida, from whence, after some ten years, he moved to Mease Manor, a retirement complex at Dunedin, Florida. He was a member of Pasadena Community Church, St. Petersburg, Florida, a member of the Dunedin Country Club, Masonic Lodge, Legion of Honor, American Institute of Mining and Metallurgical Engineers, as well as other technical societies and clubs in the New York area. He was author of several technical publications having to do with mining, geology and economics. His hobby, when home, was golf and gardening; but travel became the big urge after retirement and hardly any place on earth was left unvisited.

Survivors include his widow, Fannie Mitchell Hall, presently residing at Mease Manor. Mrs. Hall was born and reared in Rolla. Their marriage endured to the very end — well over 50 years. Other relatives reside in various states. Burial was in the Hall family plot, Ewing Cemetery, Trenton, New Jersey.

Alumni Personals

1912

Clifford Leroy Conway, Class of 1912, passed away in his sleep the night of October 31, 1973. Cliff retired from U. S. Gypsum on May 1, 1955. He was 85 in September. He is survived by his wife at the home, 242 Corte Madera

ALUMNI PERSONALS

1914 (Continued)

Mr. Hall provided in a Declaration of Trust a basic annual income to be paid in perpetuity to several scholarship endowments. The Missouri School of Mines Alumni Fund is selected to receive specified proportion from both Mr. Hall and his wife, Fannie Mitchell Hall, for scholarship awards to "worthy students of either undergraduate or graduate study." This grant is to be known as the Clyde W. and Fannie Mitchell Hall "Scholarship Award." The income amount should be substantial.

1917

Ray Otto Shriver, Class of 1917, died Friday, November 30, 1973 in Vancouver, B.C. Mr. Shriver had recently moved from a St. Joseph, Missouri nursing home to Vancouver to be in the care of a relative. Nieces and nephews survive. Burial was in Eau Claire, Wisconsin. He was retired from the Feeney Construction Co. where he had been a vice president and engineer. Taylor Campbell is the source of our information.

1922

Walker Case, 3915 Woodcrest, Florissant, Missouri reports that he and Mrs. Case recently completed an interesting trip to the Scandanavian countries, Russia, Poland and Germany. He remarks on the contrast of the American way compared to life behind the iron curtain. The Cases were on campus for Homecoming.

1928

Philip Boyer, 1640 Eolus, Encinitas, California, is retired, but he has an acre of avocado and citrus trees and that contributes to the healthy life he leads.

1931

Ruel L. Kirkpatrick, 1923 Brun Ave., Houston, Texas reports that his wife, Dorothy, died October 4, 1973 from a heart attack. Ruel is semi-retired.

1932

Robert Edward Evans, Class of 1932, died on November 12, 1973. Mrs. Evans, of 205 Fairway Dr., Asheville, North Carolina 28805, notified the alumni office of his death.

MSM Alumnus

1933

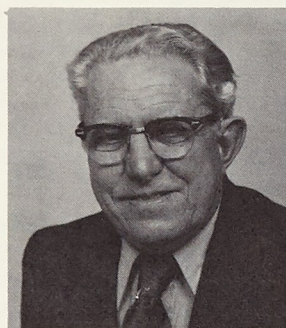
Walter H. Braun, 117 Ladderback Lane, Devon, Pennsylvania, has recently been promoted to Chief Metallurgist and Manager of Quality Control for Bishop Tube Co., Frazer, Pennsylvania.

William H. Lenz who retired to 127 Aztec Ave., Los Alamos, New Mexico, has written and published a limited edition of a book, "Tennis Angles for Gals and Guys." Any alumnus wishing a copy may obtain one by writing Bill. He'll send it prepaid at \$1.50 which is his cost. Wonder if Billy Jean and Bobby have read it.

REUNION AT HOMECOMING

1934

Gilbert L. Krattler, 103 Pleasant Ridge Rd., Oak Ridge, Tennessee, retired in March after over 30 years of federal government service. He most recently has been with the Construction Division of the AEC's Oak Ridge operations.



Gil
Krattler
'34

1936

W. H. Schwalbert, 4166 Estateway Rd., Toledo, Ohio, has just returned from his 3rd world trip. This one included Siberia and Mongolia. He says "Glad I'm an American." Mr. Schwalbert is VP, District Operations, The Toledo Edison Co.

1937

Walter T. Jones of 6303 Indian School Rd., N.E., Albuquerque, New Mexico reports that he is enjoying his retirement from the presidency of the Rio Grande Steel Products Co. He spent most of last year at San Carlos, Sonora, Mexico, where he has a boat and home. He enjoys cruising on the Sea of Cortez.

1940

Arthur Edward Twiehaus, Class of 1940, died on August 29, 1973 according to information received in the alumni office. The last mailing address was 30630 Vernon Dr., Birmingham, Michigan 48101.

1943

H. William (Bill) Flood, manager-process engineer and economic evaluation for Kennecott Copper Corp., Lexington, Massachusetts, will speak at the University of Missouri - Rolla Winter Commencement exercises Sunday, Dec. 16. Title of his address is "Don't Question the Facts."

An alumnus of UMR (Class of 1943), Flood served on national committees of two professional associations — American Institute of Chemical Engineers and American Institute of Mining Engineers. He is an area director of the MSM-UMR Alumni Association and active in several civic organizations in his home community of Acton, Mass.

REUNION AT HOMECOMING

1944

1948

Robert John Nease, Class of 1948, is reported as deceased on August 25, 1973. His residence at time of death was 269 North Commonwealth, Elgin, Illinois. He was employed by Commonwealth Edison.

James B. Chaney, 2290 Woodland Terrace, Scotch Plains, New Jersey, is now Plant Manager of the Sayreville Plant, Titanium Pigment Div., N.L. Industries, Inc. Jim was formerly in the Baroid Div. He and his wife Betty, have a son Bill who is a senior at Trinity U in San Antonio.

John H. den Boer has a new address, 9406 Avalon Dr., Richmond, Virginia. The move is a result of a promotion by his employer, Reynolds Metals Co., and John is now Manager of Quality Improvement. He earned the M.S. in Engineering Management from Vanderbilt in 1970.

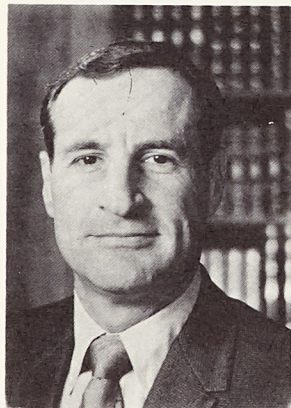
1950

Thomas H. Weidman recently acquired all the stock in Farthing and Weidman, Inc., a Joplin firm serving heavy industries and power companies as a heavy hauler and rigger. Tom's home address is 133 So. High, Neosho, Missouri.

**Mail News for
Alumni Personals
to
Alumni Office
Harris Hall
University of
Missouri - Rolla
Rolla, Mo. 65401
Remember to include
your name.**

1951

John Moscari has been promoted to mechanical maintenance supervisor of the Lone Star Steel Company. The company is a fully integrated producer of steel pipe, located in east Texas. John and his wife, Loretta live at 503 Coleman in Longview, Texas. He is a past-president of the ARK-LA-TEX Section.



*Gerald
Henson
'51*

Cities Service Company has announced the promotion of Gerald Henson to general manager, general service activities for the company. He has been with the company since graduation when he earned the B.S. in CE. He will continue to be based in Tulsa.

1952

Charles A. Hewett, who has the M. S. from UMR in '54 as well as the B. S. in '52, was recently promoted to Professor of Physics at Rochester Institute of Technology. Charles and his wife Gloria live at 75 Russell Rd., Marion New York.

REUNION AT HOMECOMING 1954

1956

Daniel J. Houser, P.E., has been named the Chief, Transportation Section, R. W. Booker & Associates, St. Louis. Houser has been resident engineer in Lawton, Oklahoma. Chairman of the Board of the Booker firm is C. C. "Pete" Palmer, Class of 1940.



*D. J.
Houser
'56*

1957

Fred J. Dietrich, 3878 Corina Way, Palo Alto, California, has been promoted by his company, Philco-Ford. Fred, who has his Ph. D., is Supervisor, Electrically Steerable Antenna Section, Microwave Equipment Department. The WDL division is working on the last stages of a new weather satellite for NASA/NOAA.

Edgar Fiedler, 922 Tamarack Lane, Rockford, Illinois, has been promoted to Chief Engineer of the Rockford Automation Co. He will have responsibility for all mechanical and control engineering required to develop a customer's automatic machines or systems.

1958

Terrence Eugene Harbaugh died December 12, 1973. He was 38 years old. A professor of Civil Engineering at UMR, he had been on the faculty since 1966. He held two degrees from UMR, the B.S. in Civil Engineering earned in 1958 and the M. S. in '62. His Ph. D. was awarded by the University of Illinois. He is survived by his wife and 3 children who live at 1312 Whitney Lane, Rolla.

Allan F. Johner has been promoted to Chief Engineer for Brown Shoe Company. He joined Brown in '64 as a project engineer and has been Assistant Chief since '68. Brown Shoe Company is a member of the Brown Group, Inc.

Norval D. Wallace, who has the B. S. in '58 and the M. S. in '59 with the Ph. D. from St. Louis University in '66 has been named chairman of the Mathematics Department at Southern Illinois University - Edwardsville. The alumni office has his home address as 16 Club Grounds South Dr., Florissant, Missouri.

REUNION AT HOMECOMING

1959

Charles William Buerk, Class of 1959, was killed in a traffic accident on December 5, 1973. His car was hit headon by a driver traveling in the wrong direction on U. S. I-270. He leaves his widow and four children, his parents, a sister and two brothers.

Donald R. Feaster of 304 Shady Drive, Lutz, Florida, on May 1, 1973 was named Executive Director of the Southwest Florida Water Management District.

1960

Chester W. Sturgeon of 150 Frederick Dr., Apalachin, has been named IBM Electronics Systems Center Manager of Planning, reporting to James A. Bitonti, FSD vice president and ESC general manager. Sturgeon, formerly System/4 Pi AP-101 product manager, joined IBM at Owego in 1960. He is a graduate of the University of Missouri - Rolla, Mo., class of 1960, with the B. S. in EE.

Gordon R. Hyatt, P.E., has been designated a principal of Eckerlin-Klepper-Hahn, the consulting engineering firm which is headquartered in Syracuse, New York. Mr. Hyatt's new role has caused the 23-year-old organization to be renamed. It will now be known as, "Eckerlin, Klepper, Hahn & Hyatt." Hyatt is a registered engineer in New York, Vermont and New Hampshire. His professional affiliations include the American Society of Civil Engineers, National Society of Professional Engineers, and he's the Past President of the Syracuse Section of the American Society of Civil Engineers. He also is currently a member of a National Committee of the A. S. C. E. Mr. Hyatt, a native of Otego, New York, resides on Taylor Road in Jamesville, New York with his wife Norma, and three sons, Gordon, Thomas and Anthony.



Gordon
Hyatt
'60

1961

"Computer Assisted Design of Anchored Sheet Piles," a paper co-authored by W. D. Kovacs, Purdue University, and Frank A. Gerig, Jr., UMR, was presented in September in Birmingham, England at the International Conference on Computer Oriented Design in Civil Engineering. Since travel funds were not available, a former UMR Graduate student who participated in the work leading to the publication, James Martin '61, went to England from his home near Frankfort, Germany to make the presentation. The paper will be published in the Proceedings of the Conference.

Dick Spieldoch, '61 was recently elected Vice-President, Engineering in charge of all field operations of Azco, Inc., of Appleton, Wisconsin. Dick and his wife have a new daughter, Erika, and they all enjoy Wisconsin and the Packers. The Spielochs live at 1968 Palisades Dr., Appleton, Wisconsin.

MSM Alumnus

HOMEcoming '74

October 11 & 12

REUNION CLASSES:

1924 and all prior; 1929, 1934,
1939, 1944, 1949, 1954, 1959,
1964, 1969.

1962

LTC Henry Williford has been assigned as Director, Facilities and Engineering at the 280,000 acre Ft. Stewart military reservation. Ft. Stewart, Georgia has over 800 miles of roads and features the largest forestry program in the U. S. Army. The Willifords live at 13106 Stillwood Rd., Savannah, Georgia.

Pete and Marilyn Malsch announce the adoption of Cory Briton, born March 4, 1973. Cory's sister, Jennifer Lynne is 4. Pete is with Weyerhaeuser and the family lives at 30201 27th Ave. So., Federal Way, Washington.

Bipin N. Doshi, 108 The Holloway, Droitwich, Worc., U. K., is Market Development Manager, Specialty Rubbers for Europe, Uniroyal, Ltd. He and his wife have resided in England for two years, and they and their son Robert, 3½, live at the above address.

Army Major Edgar E. Perrey, Jr. who holds the B. S. and M. S. in Civil Engineering from UMR, has received the Gold German Marksmanship Badge in Hanau, Germany. The competition consists of firing a rifle at ranges of 100, 200 and 250 meters and an anti-tank weapon at 100 and 150 meters. Maj. Perrey is Asst. Operations and Training Officer in Hdgs., 130 Engineering Brigade. His wife, Beverle is with him in Germany.

Aaron (Mike) Reuck, 1310 Meadow Court, Liberty, Missouri, was the subject of an excellent feature story in the Liberty Tribune on October 4. Mike is City Engineer of Liberty. MSM-UMR was mentioned prominently in the story. Mike stresses the need for skill in communications for the engineer.

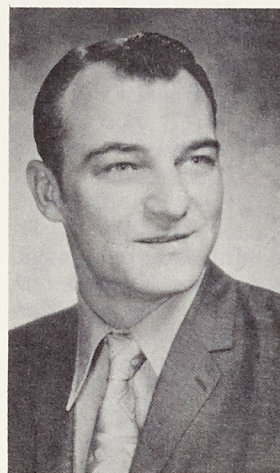
JOIN THE CENTURY CLUB

Richard A. Mueller, 6879 Bowerman St., West, Worthington, Ohio 43085, reports a new position as Research Metallurgist at the Battelle Memorial Institute. If you are driving on Bowerman and see 9 and 11 year old girls riding unicycles, they are apt to be Kathy and Shelly Mueller.

1963

Wade Martin, 148 E. Idlewood, Morton, Illinois was promoted last December to senior design engineer with Caterpillar. Wade is responsible for the design and development of turbochargers for diesel applications.

John L. Clements of Rt. 2, 30W, 173 Argyll, Naperville, Illinois 60540, has been promoted to Senior Engineer with Automatic Electric Laboratories of Northlake. John writes computer programs to diagnose malfunctions in the No. 1 Electronic Automatic Exchange.



Walter
Mueller
'63

Walter Mueller, Jr., has been promoted by Consolidated Coal Co. (CONSOL) to director, mining engineering and planning. He had been Chief Engineer for the Ohio Valley Div. He will have responsibility for company-wide planning of new mine projects, mining engineering improvements, computer operations and industrial engineering. He is headquartered in Pittsburgh.

Ramesh P. Shodhan, 2563 N. Moreland Blvd., Apt. C-4, Cleveland, Ohio 44120, after obtaining the MBA from Case Western Reserve was promoted to Manager, Market Research and Product Planning in the Marlin-Rockwell Co., Division of TRW, Inc.

REUNION AT HOMECOMING

1964

Bennett L. Muns writes that he and his wife, Jewell have adopted a baby girl, Mina Melissa, who was born on April 30, 1973. Bennett is a senior hydraulic designer with Howard, Needles, Tammen & Bergendoff. The Muns live at 518 Sunset Lane, Belton, Mo.

Jerrold Chervitz, 1524 Shoemaker, St. Louis, is Principal Stockholder and President of Interface Technology, Inc., of St. Louis. The company designs and manufactures custom electronics and computer data entry terminals for industrial applications. Jerry and his wife, Zeta, are proud parents of a second son, Darren Marc, born November 5.

John Saunders, a CE graduate and native of Shelbyville, has joined the Hannibal firm of Crane and Fleming Consulting Engineers. He will be a project engineer working in building and bridge design. Prior to his move he was with the St. Louis County Highway Department.

1965

Walt and Ann Mulyca have a daughter, Jessica Reed, born November 9, 1973. They live at 203 Hillcrest, Marshall, Texas, where Walt is an area supervisor in production for ALCOA Conductor Products Co. Walt is President of the famous ARK-LA-TEX Section of the MSM-UMR Alumni Association.

Karl J. Schmitt, Rt. 2, Box 74, Glade Chapel Rd., Hillsboro, Missouri, reports he and his family are enjoying their new home which is located in the middle of a 48 acre tract. Karl is a development engineer with Nooter Corp. of St. Louis.

John D. "Jack" Corrigan earned his third degree from UMR in May. He has the B.S. in '65, the M.S. in '66 and the Ph.D., '73, all in Electrical Engineering. Dr. Corrigan is presently employed as a technical specialist in the Avionics Engineering Division of McDonnell Aircraft Co., St. Louis. Jack and his wife, Carolyn, and their two daughters, Christy and Carrie, live at 12635 Woodford Way, Bridgeton.

Jack Russell, G-6 Las Delicias, Ponce, PR has been promoted to Superintendent of the Ethylene Glycol Plant, PPG Industries (Caribe).

Mr. and Mrs. Dan Chilton announce the birth of Mark Danton, March 28, 1973. The father is a structural engineer with the Illinois Department of Transportation and the family lives at 34 Mishawaka Dr., Richer, Illinois.

Jerry and Donna Bersett, 11895 Hidden Lake Dr., St. Louis, announce the birth of Julie Lynn, May 22, 1973. She has three brothers, Brian 8, Hank 6, and Steven 4. Jerry is qualified for the IMARGAATAI Club, and is superintendent of the Brass Division of Olin in East Alton.

The following from James L. Butler, 201 Olson Way, Marshalltown, Iowa: "Birth of new daughter, Julie Anne, September 6, 1973. She is third child, first daughter. Other children, Tim 6, and Jeff 1½. Proud parents — Jim and Diane Butler." Jim is a Group Manager with Fisher Controls Co. of Marshalltown.

Owen Lasker of 5617 Pine St., Houston, Texas, is another alumnus who is continuing his education. He will receive his M. B. A. from the University of Houston in December. Owen is a sales engineer with Cooper-Bessemer.

Mr. and Mrs. Ron Dillion announce the birth of their second daughter Krista Anne, born May 26, 1973. The first daughter, Cheryl Annette is 3. Ron is employed with the Boeing Co., Wichita, Kansas. Their address is 602 South Bluff.

1966

Army First Lt. Dale A. Munn on September 13 received the Army Commendation Medal in ceremonies at Ft. Huachuca, Arizona. He earned the medal for meritorious service while assigned as an electronics engineer with the U. S. Army Strategic Communications Command, Safeguard Communications Agency. The Lieutenant earned the B.S. in EE at UMR in '66 and the M.S. at UMC in '71. He was commissioned through the ROTC program.

Kanwal Darshnala Prasher who earned his Bachelor of Science in Civil Engineering at UMR recently received the Master of Science in Sociology from Iowa State U.

Gene Broccard has been promoted by his employer, the Kroger Co. He will be responsible for all Kroger Warehouse maintenance which includes buildings, grounds and mobile equipment. He will also review plans for all new facilities in the area served by Kroger including Georgia, Virginia, Texas, Michigan, West Virginia, Indiana, Arkansas, Kentucky, Tennessee, Illinois, California and Missouri and the headquarter state of Ohio.

Charles and Susan Heater, 903 No. Madison, Benton, Illinois, announce the birth of their first child, a son, born April 15, 1973. His name is Theodore Warren, and he was named for his grandfathers. Charles is vice president and co-owner of Benton Roofing Co., Inc.

Michal Brynac, 5565 Lansdowne, St. Louis, Missouri, is with the City of St. Louis Water Division. He is assistant division engineer, design and construction section.

1967

Robert and Barbara Cummins are living at 5350 Cornell Dr., Birmingham, Alabama, after moving from Dubuque, Iowa. Bob left Deere & Co. to join Galaxie-Ferro, Inc., a subsidiary of Square D and will be working as a welding engineer on steel transmission tower manufacturing.

Joseph Gittemeier, 4815 W. 80th St., Prairie Village, Kansas has sent an up-date on his family. Kevin Edward was born on May 31, 1973, Lisa is 6, Joey 5, and Ellen 3. Joe is a manufacturer's representative with Martin and Associates.

Captain and Mrs. A. J. Ponnwitz are proud to announce the arrival of a daughter, Jeannette Allyn who joins her brother Aril, she was born on October 6, 1973. The family lives at 16282 Main, 6F, Tustin, California. Al was awarded an M.S. in systems management on September 1, from U.S.C. He is a Captain/Pilot and Administrative Officer in the U. S. M. C.

Robert Weber has joined R. W. Booker & Associates as a design engineer. Weber has the B.S. in applied math and the M.S. in engineering mechanics, both from UMR. He will be in the civil/structural department.

1968

Linda Kay Patek and Robert Joseph Mueller were married October 5, 1973 in Collinsville, Illinois. The groom holds two degrees from UMR, the B. S. in '68 and the M. S. in '73. He is with Olin and the couple live at 230 So. Bluff, Collinsville.

Richard W. Fowler, 10330 Roscommon, St. Louis, has been promoted to Senior Engineer with Electronics and Space Division of Emerson Electric. The Fowlers are expecting their first child in January.

Loris L. Piepho, senior project engineer with GMC, was recently promoted to supervise the field investigation group for obtaining all accident data on 74-75 GMC Air Cushion Restraint (ACRS) vehicles. Loris and Marjorie live at 721 S. Third St., Brighton, Michigan 48116.

John Oelger, 10973 Saxonhall Dr., Bridgeton, Missouri, brought us up-to-date on his family. John and his wife Katheryn are parents of two sons, Neal, born June 11, 1970 and Nathan, born on April 19, 1973. John is a senior engineer in the corporate engineering department of Monsanto.

Jim Hamilton and his wife Chloe Ann are parents of their first child, a daughter, Megan Marie, born September 17. The Hamiltons live at 1928 E. Libra Dr., Tempe, Arizona. Jim is with Motorola.

Jerry Pouge writes that he expects a "different" winter, he and his family will be in Cloquet, Minnesota, 706 Jasper St., instead of Oklahoma. Wife Mary, Bradley 9, Brian 6½ and Stephanie, 4½ are with Jerry who has been assigned to supervise the construction of a new vacuum unit for Conoco's Refinery in Wrenshall, Minnesota.

Thomas J. Pokrefke and Lynn have a son, Thomas J. Pokrefke, III, born February 10, 1973. Thomas, III, has two sisters, Jacquelyn, age 4 and Rebecca, age 2. The father is a research hydraulic engineer with Vicksburg Waterways Experiment Station of the Corp of Engineers. The family lives at 207 Ridgeway Drive, Vicksburg, Mississippi.

MSM Alumnus

1969

Asaad S. Shini of 1617 Fountainview Dr., Houston, Texas, has earned the M.S. in Civil Engineering from the University of Houston. Asaad is a senior engineer with Brown & Root.

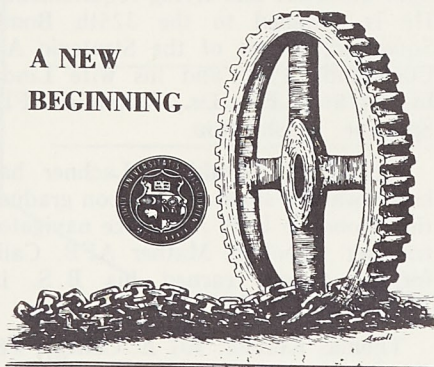
Staff Sgt. Jerome J. Voss, stationed at Chanute AFB, Illinois, announces the arrival of Rob William Voss on August 7. Rob has a brother Barry Allan, 5, and a sister, Kerry Ann, 2. The father is technical instructor in the USAF.

Alan Meinershagen, 8811 Wayne, Kansas City, Missouri, has notified us that he and his wife, Christina, are parents of a second son, Kirk Alan, born at 4:51 a.m., October 4, 1973. Kirk's brother Mitchell is 2.

On August 10, 1973, Theodore Holland of 1372 So. Yank St., Lakewood, Colorado, presented a paper on "The Shell Canyon Landslides" at the 24th Annual Highway Geology Symposium at Sheridan, Wyoming. Theodore is an Engineering Geologist with the Federal Highway Administration in Denver.

UMR ENGINEER

A NEW
BEGINNING



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REUNION AT HOMECOMING

Mr. and Mrs. Don Ascoli announce the arrival of their fourth child, Paul Martin, on April 4, 1973. They live at 12025 N. 28th Place, Phoenix, Arizona where Don is Product Manager, Medium Power Small Signal Plastic Transistors, for Motorola, SPD.

Wm. R. Knauf, 8630 Newton Place, Manassas, Virginia, announces that he and his wife, Sandra, are parents of a son, their first child, born on June 3, 1973. The baby has been named Jason. Bill is a merchandise manager with Montgomery Ward in Falls Church.

Dr. Warren Dean Graham, 1707 West Glenwood, Springfield, Missouri has a new title, Manager of Technical Services for Associated Electrical Co-operative. The Grahams have their second daughter, Stephanie Margaret, born on September 29, 1973. Her sister Jennifer Marie is 3.

Michael J. Stieferman, who has the B.S. in CE and the M.S. in Engr. Mgmt. from UMR has been appointed Manager of Engineering Design Group for the Decatur office of Warren & Van Praag, Inc., Consulting Engineers-Architects. He will supervise engineering personnel to meet project requirement and the administrative control necessary for the project team environment.

Edmond Sterling Fauth III and Carol Susan Goodrich were married in Hazel Park, Michigan on July 14, 1973. Fauth has the B.S. and M.S. degrees from UMR, both granted in 1969. He is employed by General Motors and the couple reside at 31421 Mound Rd., Warren, Michigan.

U. S. Air Force Sergeant Markus W. Smashey, was named Outstanding Airman in his unit at Korat Royal Thai AFB, Thailand. He is an automatic flight control systems specialist and serves with a unit of the Pacific Air Forces. The alumni office has a mailing address of Rt. 2, New London, Missouri.

Donald Willis has joined the staff of the Hannibal firm of Crane and Fleming Consulting Engineers. A native of Hannibal, he is an EE graduate and formerly was with Hercules in LA and Swanson, Rink & Associates of Denver.

1970

Greg Praznik '70, was married to Dolinda Werling on June 8, in New Orleans. Greg and his bride live in Larose, Louisiana and he is working off-shore with Schlumberger. Their mail address is Box 537, Larose.

Earl Burk, Rt. 2, Aurora, Missouri, will complete 2 years of active duty in mid-November and will return to work with Mid-America Dairymen, Inc., of Springfield, Missouri as a project engineer.

James R. Butler and his wife, Patricia, have a new son and a new address. Mathew James was born September 17, 1973 and the family is living at 3585 Tanglewood, Trenton, Michigan. Jim is a Production Foreman with Great Lakes Steel.

Lynn and Coleen Calton, Box 452, Lamar, Missouri, have a daughter Abbey Coleen Calton, born October 12, 1973. Abbey is their second child. Lynn is a special projects engineer with Finley Engineering Co. of Lamar.

Richard Bausell is on leave from Cities Service Co. and is on active duty with the U.S. Army B Team 42nd USAAD, APO 09069.

James M. McCaffrey, 6026 W. Airport, Houston, Texas has written that his wife Ellen gave birth to a son, Michael Kevin, on November 15, 1973. Jim is a design engineer with Walter P. Moore and Associates.

P. Gary Hamner, 10 Norwood Lane, Matawan, New Jersey, and his wife Janie are announcing the birth of their first child, a daughter, Marcy Robin, born July 30, 1973. Gary is a Detergent Sales Specialist with Monsanto, working out of the New York City office.

Mrs. Anne Springer was recently chosen as "Teacher of the Week" in Bourbon, Missouri. A teacher for 22 years, Mrs. Springer earned the B.A. in History at UMR in '70. She has six children and they all attend the Bourbon School.

Larry Onstott, 305 Park Ln., Wentzville reports his new position at Plant Engineer with the Continental Telephone Co. of Missouri, he formerly was with Finley Engineering Co. The change took place in June of '73.

1971

Stephen L. Redington was married to Jan Larrene Feltz November 24, 1973. Steve is employed by the Corp of Engineers and Jan is an R.N. at Missouri Baptist Hospital. They live at 12565 A, Renault, St. Louis, Missouri.

Larry Pittman, 3367 Dunstan Dr., Warren, Ohio sent the news that he and Mary have their second child, a daughter, Lara Ellen, born September 6, 1973. Lara has a brother, Mark Alan, 3½. Larry is with Packard Electric Division of GMC.

Captain Archibald M. Gallup who is an Instructor in the Engineer School at Ft. Belvoir, announces the arrival of daughter Anne, July 31, 1973. Son Archie is glad to have a sister. The alumni office is still carrying Archie and his wife Nancy at 30 Park Drive, Waterford, Connecticut.

Specialist Walter C. Trnka has been transferred from Ft. Ord to the Office of the Secretary of the Army where he will serve on the Army Discharge Review Board until June, 1974.

First Lt. Page A. Wagner, III, USAF, has been certified as a B-52 Stratofortress aircraft commander after passing rigid academic and flying requirements. He is assigned to the 325th Bomb Squadron, a unit of the Strategic Air Command. Page and his wife Linda live at 8608 Elm Dr., Fairchild AFB, Spokane, Washington.

Second Lt. Gerald L. Lachner has been awarded silver wings upon graduation from the U.S. Air Force navigator training school at Mather AFB, California. Gerald earned his B.S. in Physics at UMR.

Thomas Kernan, 507 E. College, #8, Farmington, Missouri has been named electrical maintenance supervisor for Granite Steel Division of National Steel in Granite City, Illinois. Tom reports he attended Infantry OCS at Ft. Benning in a reserve status.

HOMEcoming '74

October 11 & 12

REUNION CLASSES:

1924 and all prior; 1929, 1934, 1939, 1944, 1949, 1954, 1959, 1964, 1969.

1972

Robert T. Berry has completed the Engineering Officer course at Ft. Belvoir and has been assigned to the 317th Engr. Bat., Frankfurt, West Germany. Bob and his wife were visited this summer by his parents. His father is Jerry Berry '49. Bob is working on his M.S. in Engineering Management through the European Branch of Boston University.

James J. Commerford of 855 East Bellevue, Atwater, California reports on his career in the Air Force. He is a 2nd Lt., having finished officers training in November of 1972 and he completed navigator training in August 1973. He and his wife Clare will be moving as he will be assigned to the 7th Air Refueling Squadron at Carswell AFB, Houston in February.

Glenn J. Conger, 6201 Garden Rd., # 165J, Maumee, Ohio, has been honored as Outstanding Alumnus of Alpha Iota Chapter of Sigma Pi. Glenn was elected to the Board of Directors chapter's building association. He is a project engineer at the Owens-Illinois Technical Center in Toledo.

James E. Politte, # 42 Holly Hills, Madison, West Virginia, announces his engagement, October 25, 1973, to Winnette Mason, a student at Rolla. Jim is an Assistant Mine Foreman with Zapata Coal. A December wedding is planned.

Larry Maddux '72, P.O. Box 37, Cameron, Ohio announces that he will be married to Miss Patricia Keevert on December 15, 1973. Larry is a Preparation Engineer with the North American Coal Co.

Charles W. Ervin was married to Brenda Louise Fallert on September 8, 1973 in Bloomsdale. The bride is a graduate of SEMO University and the couple will be at home in St. Louis where the groom is employed by Union Electric.

Jeffrey Allen Schweer was married to Jarene Althea Powers in Waverly, Tennessee. The couple will be living in Waverly where the groom is employed by DuPont as a chemical engineer.

ALUMNI PERSONALS —



James
C.
Weber
'72

Second Lt. James C. Weber, U.S. Air Force has been awarded his silver wings upon graduation from navigator training at Mather AFB, California. He will remain there for electronic warfare officer training.

D. Michael Hurst, 2103 Blair, # E, Jefferson City, Mo. recently returned to the campus to appear at a Placement Office seminar as a guest speaker. Mike is Chief Systems Analyst for the Missouri Public Service Commission.

Second Lt., John W. Rogers, Jr., USA, in August completed a nine-week air defense artillery officer basic course at the U.S. Army Air Defense School, Ft. Bliss, Texas. The alumni office has Steelville mailing address for the Lt.

1973

Major William H. Schwend, 8552 Morkdale, St. John, Missouri, received his M. S. from UMR in July and has been assigned to U.S. Army Aviation Systems Command in St. Louis.

50th REUNION

CLASS OF 1924

MAY 11 & 12, 1974

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